

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau

14 JAN 2005



(43) International Publication Date  
22 January 2004 (22.01.2004)

PCT

(10) International Publication Number  
WO 2004/007871 A3

(51) International Patent Classification<sup>7</sup>: E04H 9/00

(21) International Application Number:  
PCT/US2003/021930

(22) International Filing Date: 15 July 2003 (15.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/396,228 15 July 2002 (15.07.2002) US

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

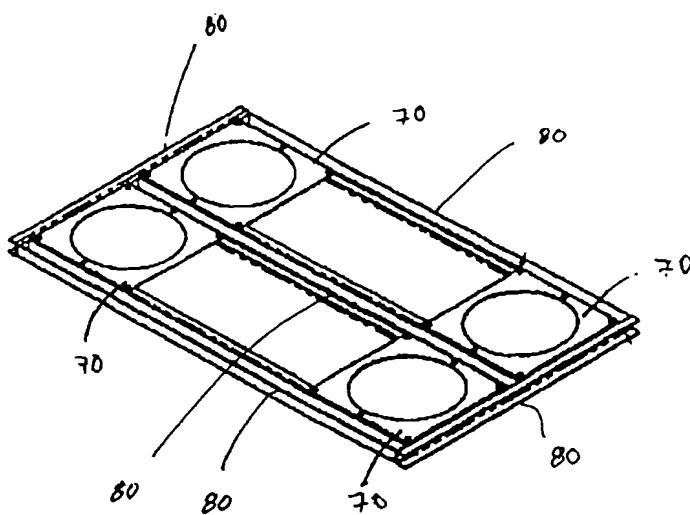
- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 17 February 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ISOLATION PLATFORM

WO 2004/007871 A3



plates together and providing additional damping effects.

(57) Abstract: The present invention provides a platform (10) for supporting various equipment and/or structure which assists in isolating such structure from vibrations ("noise") external to the platform. Generally, the platform comprises upper plate supports and lower plates (30, 20), having conical depressions (15), upon which the upper plate supports the above-mentioned structure, and the lower plate contacting surface/area upon which the supported structure otherwise would have rested. Between the upper and lower plates, a plurality of rigid, spherical bearings (50) are placed within the conical depressions, thereby allowing the upper and lower plates to displace relative to one another. Additionally, the platform may be provided with retaining mechanisms for holding the structure to be supported, maintaining the

**INTERNATIONAL SEARCH REPORT**

International application No PCT/US03/21930
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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7) E04H 9/00 US CL 52/167.5, 167.6, 167 7 According to International Patent Classification (IPC) or to both national classification and IPC																			
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. 52/167.5, 167 6, 167 7																			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched																			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)																			
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>																			
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.																	
Y	US 99,973 A (TOUAILLON) 15 February 1870 (15/02/70), figures 2-4	1-9																	
Y	US 951,028 A (SCHAR) 01 March 1910 (01/03/10), figures 1 and 2.	1-9																	
Y	US 2,055,000 A (BACIGALUPO) 22 September 1936 (22/09/36), figures 1 and 2	1-9																	
Y	US 2,014,643 A (BAKKER) 17 September 1935 (17/09/35), figure 1.	1, 7																	
Y	US 5,452,548 A (KWON) 26 September 1995 (26/09/95), abstract	2																	
A	US 4,517,778 A (NICOLAI) 21 May 1985 (21/05/85).																		
A	US 1,761,659 A (CUMMING) 03 June 1930 (03/06/30).																		
A	US 879,595 A (SMITH) 18 February 1908 (18/02/08).																		
<input type="checkbox"/> Further documents are listed in the continuation of Box C <input type="checkbox"/> See patent family annex																			
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"P" document published prior to the international filing date but later than the priority date claimed																			
Date of the actual completion of the international search 14 September 2004 (14.09.2004)	Date of mailing of the international search report 21 DEC 2004																		
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P O Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Authorized officer Brian Glessner <i>B. Glessner</i> Telephone No 703-305-0031																		